

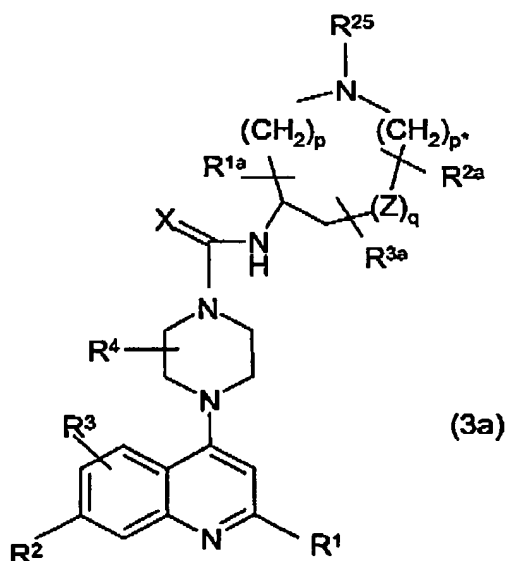
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AMENDMENTS TO THE CLAIMS

The below listing of claims will replace all prior versions, and listings, of claims in the application.

1-10. (canceled)

11. (Currently Amended) A compound ~~of claim 9 wherein the compound is a~~ compound of formula (3a):



or an enantiomer, a diastereomer, a salt or a solvate thereof.

wherein:

R¹ is hydrogen or amino;

R² is halogen;

R³ is hydrogen, alkyl, halogenated alkyl, halogen, substituted or unsubstituted amino, nitro, cyano, or alkoxy;

R⁴ is hydrogen or one or more alkyl groups;

R^{1a} is oxo or thioxo;

R^{1a}, R^{2a} and R^{3a} are independently ~~selected from~~ hydrogen, oxo, or thioxo;

or, when bonded to adjacent ring carbon atoms, R^{2a} and R^{3a} may combine to form a fused aryl or ~~heterocycle~~ heterocyclyl ring;

R²⁵ is

(i) hydrogen, or cyano;

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- (ii) alkyl, cycloalkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, aryloxyalkyl, alkenyl, cycloalkylalkyl, heterocyclalkyl, aryl, or arylalkyl, any of which may be optionally independently substituted with one to three halogen, alkoxy, hydroxy, alkyl, or haloalkyl; or
- (iii) $-(CR^{20}R^{21})_m-C(=O)R^{15}$, $-(CR^{20}R^{21})_m-C(=O)OR^{15}$, $-(CR^{20}R^{21})_m-SO_2R^{15a}$, $-(CR^{20}R^{21})_m-C(=O)NR^{16}R^{17}$, $-(CR^{20}R^{21})_m-C(=S)NR^{16}R^{17}$, or $-(CR^{20}R^{21})_m-C(=O)NR^{16}-SO_2R^{15b}$;

R^{15} is hydrogen, alkyl, haloalkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, or aryloxyalkyl;

R^{15a} is hydrogen, alkyl, haloalkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, or aryloxyalkyl, provided that when m is zero R^{15a} is not hydrogen;

R^{15b} is alkyl, haloalkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, or aryloxyalkyl;

R^{16} and R^{17} are independently hydrogen, alkyl, cycloalkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, aryloxyalkyl, alkenyl, cycloalkylalkyl, heterocyclalkyl, aryl, or arylalkyl;

or R^{16} and R^{17} together with the nitrogen atom to which they are bonded may combine to form a heterocycl ring;

R^{20} and R^{21} at each occurrence are the same or different and are independently ~~selected from~~ hydrogen or alkyl;

X is O or X;

Z is -S-, -S(O)- or -S(O)₂;

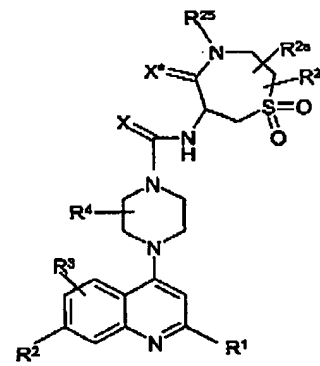
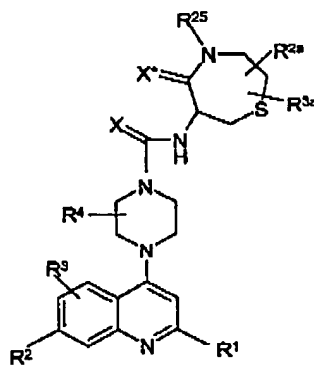
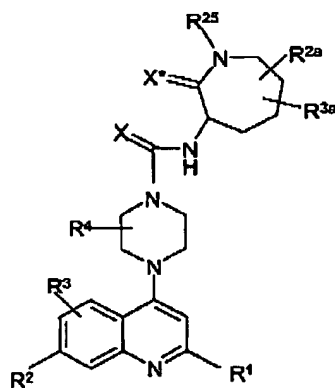
p is 1 or 2;

p* is 0, 1, 2, 3 or 4;

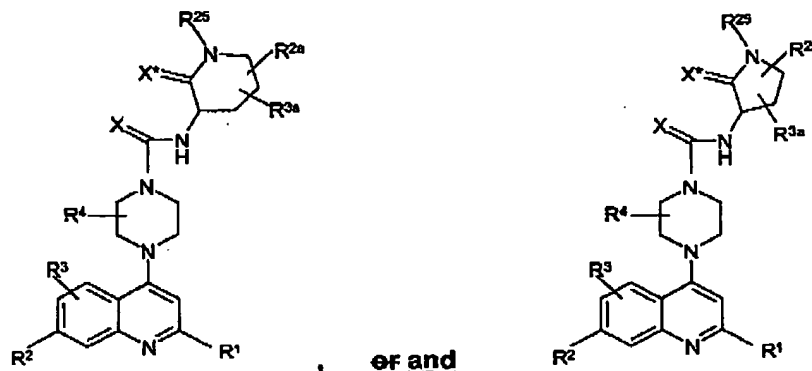
q is 0 or 1; and

m is 0, 1 or 2.

12. (Currently Amended) A compound ~~of~~ according to claim 11 wherein the compound has a structure which is selected from the group consisting of:



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where X and X* are independently O or S.

13. (Currently Amended) A compound ~~of~~ according to claim 12 selected from the group consisting of:

- 4-[[[4-(7-Chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, 1,1-dimethylethyl ester;
- 4-[[[4-(7-Chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, methyl ester;
- 4-[[[4-(7-Chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, methyl ester;
- 4-[[[4-(7-Chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, phenylmethyl ester;
- 4-(7-Chloro-4-quinoliny)-N-[(3R)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinoliny)-N-[(3S)-hexahydro-1-methyl-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(phenylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinoliny)-N-[(3S)-1-[(4-fluorophenyl)methyl]hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinoliny)-N-[(3S)-1-ethylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- (3S)-[[[4-(7-Chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-acetamide;
- 4-(7-Chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(3-pyridinylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

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4-(7-Chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(2-propenyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(7-Chloro-4-quinoliny)-N-[(3S)-1-(cyclopropylmethyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(7-Chloro-4-quinoliny)-N-[(3S)-hexahydro-1-[(4-methoxyphenyl)methyl]-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

(3S)-[[[4-(7-Chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-acetic acid, ethyl ester;

4-(7-Chloro-4-quinoliny)-N-[(3S)-hexahydro-1-[3-(4-morpholinyl)propyl]-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(6R)-hexahydro-5-oxo-1,4-thiazepin-6-yl]-1-piperazinecarbothioamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(6R)-hexahydro-5-oxo-1,4-thiazepin-6-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(6R)-hexahydro-1,1-dioxido-5-oxo-1,4-thiazepin-6-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-2-oxopyrrolidinyl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-2,3,4,5-tetrahydro-1-methyl-2-oxo-1H-1-benzazepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1,2,3,4-tetrahydro-2-oxoquinoliny]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3R)-hexahydro-2-thioxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-acetylhexahydro-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-1-methyl-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-(cyclopropylmethyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(phenylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

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4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-[(2,6-dimethylphenyl)methyl]hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(2-pyridinylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(3-pyridinylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(4-pyridinylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-1-(2-hydroxy-3-phenoxypropyl)-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-1-(2-hydroxypropyl)-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

(3S)-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-acetic acid, methyl ester;

(3S)-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-acetic acid;

(3S)-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-(phenylmethyl)-1H-azepine-1-acetamide;

(3S)-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-N-methyl-2-oxo-1H-azepine-1-acetamide;

(3S)-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-(4-pyridinyl)-1H-azepine-1-acetamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3R)-1-(4-fluorophenyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-[7-Chloro-2-(methylamino)-4-quinoliny]-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(2-phenoxyacetyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(7-Chloro-4-quinoliny)-N-[(3S)-1-acetylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-acetylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-(cyclopropylcarbonyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

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4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-benzoylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-(ethylsulfonyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(phenylsulfonyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-(cyclohexylcarbonyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-[(phenylsulfonyl)amino]carbonyl]-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-2-oxo-1-(2-phenylacetyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-formylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-(2,2-dimethyl-1-oxopropyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-hexahydro-1-(methylsulfonyl)-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperaziny]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, methyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperaziny]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid-ethyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperaziny]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, 2,2,2-trifluoroethyl ester;

(3S)-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperaziny]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, 2-propenyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperaziny]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid phenyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperaziny]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid-4-fluorophenyl ester;

(3S)-[[[4-(2-Amino-7-chloro-4-quinoliny)-1-piperaziny]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, phenylmethyl ester;

4-(2-Amino-7-chloro-4-quinoliny)-N-[(3S)-1-cyano-1H-azepin-3-yl]-1-piperazinecarboxamide;

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- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclohexylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-(2,2,2-trifluoroethyl)-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclopropylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-propyl-1H-azepine-1-carboxamide;
- 4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-(1-pyrrolidinylcarbonyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclopentylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclobutylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3R)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(4-fluorophenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-ethylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-phenyl-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-(1-methylethyl)-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-butylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-(2-methylpropyl)-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(1,1-dimethylethyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N,N-dimethyl-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-[4-(trifluoromethyl)phenyl]-1H-azepine-1-carboxamide;

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(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(3-fluorophenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-(4-methylphenyl)-2-oxo-1H-azepine-1-carboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(2-fluorophenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(2,6-diethylphenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;
 4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-1-[(methylamino)carbonothioyl]-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
 4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-[(ethylamino)carbonothioyl]hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
 4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-1-[(1-methylethyl)amino]carbonothioyl]-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
 4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-[(2-propenylamino)carbonothioyl]-1H-azepin-3-yl]-1-piperazinecarboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-methyl-2-oxo-1H-azepine-1-carboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-(2-propenyl)-1H-azepine-1-carboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(2-chloroethyl)hexahydro-2-oxo-1H-azepine-1-carboxamide; and
 (3R)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-methyl-2-oxo-1H-azepine-1-carboxamide.

14. (Currently Amended) A compound of according to claim 13 selected from the group consisting of:

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
 4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-acetylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxamide;
 (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, methyl ester;

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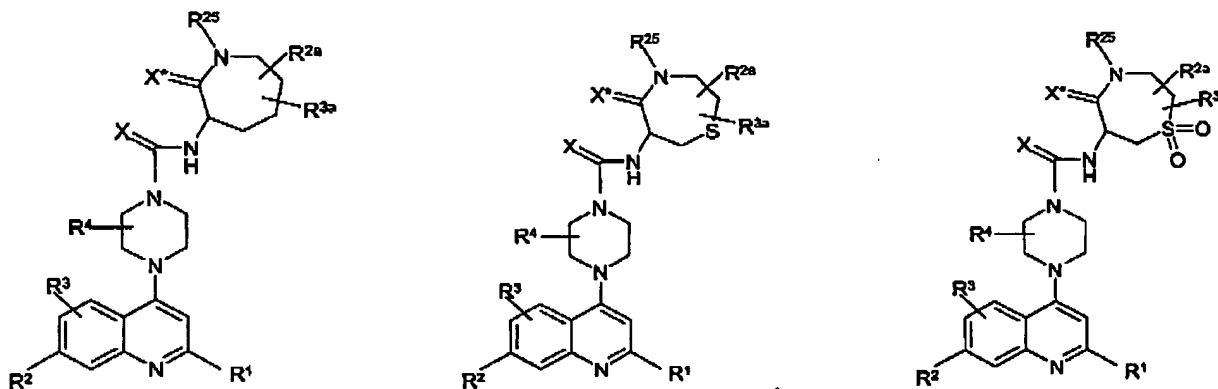
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-ethylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-methyl-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclopropylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-(1-methylethyl)-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-(2,2,2-trifluoroethyl)-1H-azepine-1-carboxamide; and
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid-ethyl ester.

15-17. (Canceled)

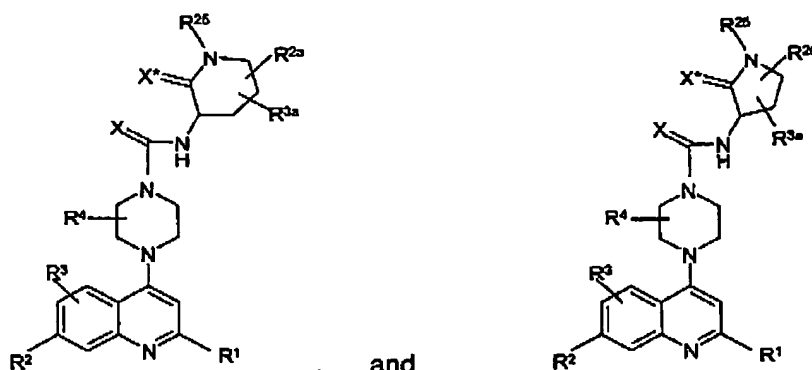
18. (Original) A pharmaceutical composition comprising at least one compound of claim 11 and a pharmaceutically acceptable vehicle or carrier therefor.

19-22. (canceled)

23. (New) A pharmaceutical composition according to claim 18 wherein the compound is selected from the group consisting of:



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where X and X* are independently O or S.

24. (New) A pharmaceutical composition according to claim 23 wherein the compound is selected from the group consisting of:

- 4-[[[4-(7-Chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, 1,1-dimethylethyl ester;
- 4-[[[4-(7-Chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, methyl ester;
- 4-[[[4-(7-Chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, methyl ester;
- 4-[[[4-(7-Chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-1H-azepine-1-carboxylic acid, phenylmethyl ester;
- 4-(7-Chloro-4-quinolinyl)-N-[(3R)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinolinyl)-N-[(3S)-hexahydro-1-methyl-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-(phenylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinolinyl)-N-[(3S)-1-[(4-fluorophenyl)methyl]hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- 4-(7-Chloro-4-quinolinyl)-N-[(3S)-1-ethylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;
- (3S)-[[[4-(7-Chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-acetamide;
- 4-(7-Chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-(3-pyridinylmethyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

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4-(7-Chloro-4-quinoliny)-*N*-[(3*S*)-hexahydro-2-oxo-1-(2-propenyl)-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(7-Chloro-4-quinoliny)-*N*-[(3*S*)-1-(cyclopropylmethyl)hexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(7-Chloro-4-quinoliny)-*N*-[(3*S*)-hexahydro-1-[(4-methoxyphenyl)methyl]-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

(3*S*)-[[[4-(7-Chloro-4-quinoliny)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1*H*-azepine-1-acetic acid, ethyl ester;

4-(7-Chloro-4-quinoliny)-*N*-[(3*S*)-hexahydro-1-[3-(4-morpholinyl)propyl]-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(6*R*)-hexahydro-5-oxo-1,4-thiazepin-6-yl]-1-piperazinecarbothioamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(6*R*)-hexahydro-5-oxo-1,4-thiazepin-6-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(6*R*)-hexahydro-1,1-dioxido-5-oxo-1,4-thiazepin-6-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-2-oxopyrrolidinyl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-2,3,4,5-tetrahydro-2-oxo-1*H*-1-benzazepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-2,3,4,5-tetrahydro-1-methyl-2-oxo-1*H*-1-benzazepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-1,2,3,4-tetrahydro-2-oxoquinoliny]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*R*)-hexahydro-2-thioxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-1-acetylhexahydro-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-hexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-hexahydro-1-methyl-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-1-(cyclopropylmethyl)hexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinoliny)-*N*-[(3*S*)-hexahydro-2-oxo-1-(phenylmethyl)-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

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4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-1-[(2,6-dimethylphenyl)methyl]hexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-hexahydro-2-oxo-1-(2-pyridinylmethyl)-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-hexahydro-2-oxo-1-(3-pyridinylmethyl)-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-hexahydro-2-oxo-1-(4-pyridinylmethyl)-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-hexahydro-1-(2-hydroxy-3-phenoxypropyl)-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-hexahydro-1-(2-hydroxypropyl)-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

(3*S*)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1*H*-azepine-1-acetic acid, methyl ester;

(3*S*)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1*H*-azepine-1-acetic acid;

(3*S*)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-*N*-(phenylmethyl)-1*H*-azepine-1-acetamide;

(3*S*)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-*N*-methyl-2-oxo-1*H*-azepine-1-acetamide;

(3*S*)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-*N*-(4-pyridinyl)-1*H*-azepine-1-acetamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*R*)-1-(4-fluorophenyl)hexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-[7-Chloro-2-(methylamino)-4-quinolinyl]-*N*-[(3*S*)-hexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-hexahydro-2-oxo-1-(2-phenoxyacetyl)-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(7-Chloro-4-quinolinyl)-*N*-[(3*S*)-1-acetylhexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-1-acetylhexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-*N*-[(3*S*)-1-(cyclopropylcarbonyl)hexahydro-2-oxo-1*H*-azepin-3-yl]-1-piperazinecarboxamide;

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4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-benzoylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-(ethylsulfonyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-(phenylsulfonyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-(cyclohexylcarbonyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-[(phenylsulfonyl)amino]carbonyl]-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-(2-phenylacetyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-formylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-(2,2-dimethyl-1-oxopropyl)hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-1-(methylsulfonyl)-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, methyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid-ethyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, 2,2,2-trifluoroethyl ester;

(3S)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, 2-propenyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid phenyl ester;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid-4-fluorophenyl ester;

(3S)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, phenylmethyl ester;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-cyano-1H-azepin-3-yl]-1-piperazinecarboxamide;

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- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclohexylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-(2,2,2-trifluoroethyl)-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclopropylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-propyl-1H-azepine-1-carboxamide;
- 4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-(1-pyrrolidinylcarbonyl)-1H-azepin-3-yl]-1-piperazinecarboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclopentylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-cyclobutylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3R)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(4-fluorophenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-ethylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-phenyl-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-(1-methylethyl)-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-butylhexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-(2-methylpropyl)-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(1,1-dimethylethyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N,N-dimethyl-2-oxo-1H-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-[4-(trifluoromethyl)phenyl]-1H-azepine-1-carboxamide;

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(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(3-fluorophenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-(4-methylphenyl)-2-oxo-1H-azepine-1-carboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(2-fluorophenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(2,6-diethylphenyl)hexahydro-2-oxo-1H-azepine-1-carboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-1-[(methylamino)carbonothioyl]-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-[(ethylamino)carbonothioyl]hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-1-[[[1-methylethyl]amino]carbonothioyl]-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1-[(2-propenylamino)carbonothioyl]-1H-azepin-3-yl]-1-piperazinecarboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-methyl-2-oxo-1H-azepine-1-carboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-N-(2-propenyl)-1H-azepine-1-carboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-N-(2-chloroethyl)hexahydro-2-oxo-1H-azepine-1-carboxamide; and

(3R)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-N-methyl-2-oxo-1H-azepine-1-carboxamide.

25. (New) A pharmaceutical composition according to claim 24 wherein the compound is selected from the group consisting of:

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

4-(2-Amino-7-chloro-4-quinolinyl)-N-[(3S)-1-acetylhexahydro-2-oxo-1H-azepin-3-yl]-1-piperazinecarboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxamide;

(3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1H-azepine-1-carboxylic acid, methyl ester;

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- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-*N*-ethylhexahydro-2-oxo-1*H*-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-*N*-methyl-2-oxo-1*H*-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]-*N*-cyclopropylhexahydro-2-oxo-1*H*-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-*N*-(1-methylethyl)-2-oxo-1*H*-azepine-1-carboxamide;
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-*N*-(2,2,2-trifluoroethyl)-1*H*-azepine-1-carboxamide; and
- (3S)-3-[[[4-(2-Amino-7-chloro-4-quinolinyl)-1-piperazinyl]carbonyl]amino]hexahydro-2-oxo-1*H*-azepine-1-carboxylic acid-ethyl ester.